

THE TECH

DAILY

VOL. XXIX. NO. 37.

BOSTON, MASS., WEDNESDAY, NOVEMBER 10, 1909

PRICE ONE CENT

B. & M. ENGINEERS TALK ABOUT GRADE CROSSINGS

Speakers Illustrate Construction--With Detail Plan And Photograph

The civil engineering society was entertained yesterday by two very interesting speakers, E. A. Hadley and L. C. Lawton, both engineers familiar with the abolition of grade crossings.

Mr. Hadley spoke about the Somerville avenue crossing. Before beginning on his subject, he related the method of procedure in cases like this. Either a town or city, railroad, street railway, or the State may request the abolition. In any case, a commission of three disinterested parties is appointed, consisting usually of an engineer, a lawyer and a business man.

The commission holds a hearing and plans are generally presented by all interested. The report of the commission is then made to the court and a decree is issued for the taking of land, division of the payment of cost, contract, and all specialization. A special auditor is appointed who keeps the accounts and divides the costs. The railroad usually pays sixty-five percent., the town or city ten, the street railway not over fifteen, and the state the balance.

Somerville avenue is a very important main road to Boston and is crossed by six tracks of the B. & M. in that part of the city where the large pork packing firms are situated. A car line runs on the street and the traffic is very large. The passing of trains is frequent and traffic is delayed owing to the fact that considerable shifting of freight cars is done here.

The city of Somerville petitioned for the abolition of the crossing. The preliminary work was soon over and work began. The railroad could not be raised, so the road is to go over the tracks.

The concrete abutments and piers were erected on piles because the land is all made land. There is a three and one-half per cent. grade on either side of the slope from the bridge to the level of the old main road.

Mr. Hadley told about the concrete work, the finishing of the concrete, the filling in between the abutments, the peculiar method of bracing the forms, the difficulties of driving piles over drain-pipes and the raising of buildings to the height of the new roadway. All through the work, part of the road was obliged to be open to traffic, which made conditions more troublesome.

The steel work is now being put up and the men who go on the trip next Saturday will have a chance to see the steel spans and girders going up, as well as to see what has already been done.

Mr. L. C. Lawton gave the society a good idea of his work on the Pleasant street crossing in Malden. The same process of obtaining the decree was gone through and in this case it was decided to raise the railroad tracks and depress Pleasant street.

To illustrate each step in the abolition of the crossing, Mr. Lawton showed some fine pictures. It was necessary to build a temporary crossing and to close the old street. The railroad building had to be raised and the tracks were raised between trains.

The building of a raised platform for the accommodation of passengers, the masonry work, the resurfacing, the relaying of pipes, and the great amount of trestle work were all described and pointed out on the plans.

In the business meeting, information about the excursion Saturday was given out. At 1:45 the men will start from the Union and go to Park square, where

COURSE II MEN ACTIVE GRADUATES PROMINENT

Prof. Lanza To Read Paper Before American Society of Mech. Engineers

Prof. Lanza's Paper. Visits New York to Read Paper on Re-enforced Concrete. Doings of Graduates.

Professor Lanza of the department of Mechanical Engineering has gone to New York to read a paper on the deflection and breaking of concrete beams, before the American Society of Mechanical Engineers.

Last month a joint meeting of the Boston branch of the Mechanical and Civil Engineering Societies was held in Boston. A paper was read by Prof. Lanza on the same subject, consisting of tests of a new formula for the deflection and breaking of re-enforced concrete beams. He was greatly assisted in his experiments and tests by Mr. L. S. Smith of the department.

Mr. Clarence E. Gage 1905, who until recently was draftsman for the Isthmian Canal Commission, has received an instructorship at the Venona University, Pennsylvania.

Mr. John J. Thomas 1907, has received a commission in the U. S. Coast Artillery as second lieutenant. He was at the head of a list of 160 candidates who tried the examinations. He will report for duty to Fortress Munroe.

Mr. Charles A. Eaton 1907, who also took the examination for the Coast Artillery was third on the list. He was unable to accept the commission, as his resignation from the revenue cutter service could not be accepted by the authorities, because of a deficiency of officers.

NAVAL ARCH. SMOKER

Second Big Meeting To Be Held --Prof. Peabody Will Speak

The Naval Arch Society has made arrangements for another big smoker. It will be held in the upper room of the Union next Thursday evening, at half past seven. The purpose of the smoker is to welcome the sophomores who are taking course XIII and who desire to join the club. Pres. O. O. Holbrook extends an invitation to all of these men and trusts that all will attend.

Prof. Peabody will give a short address at the meeting tomorrow night. Afterwards refreshments will be served, and the men will sit around and smoke. Over fifty are expected to be present.

STUDENT LIST POSTED

Proofs of the lists of students registered in the Institute have been posted on all bulletin boards.

Men of all four classes and special students should look over the lists and ascertain if their names and addresses are as they desire to have them inserted in the catalogue. If corrections are to be made they must be handed to the registrar today.

Owing to lack of interest by the golf playing students in the Institute, it has been thought best to cancel the golf tournament. Out of the men in Tech who can play the game, only four showed enough interest to enter and to make an attempt to get the cup offered as the prize.

ELECT OFFICERS AND MAKE PLANS FOR YEAR

M. A. H. S. Club Decided Upon H. M. Davis 1911 For President--Other Officers

Over twenty-five men attended the meeting of the Mechanic Arts High School Club, held in 26 Rogers yesterday. The meeting was called to order at half past one and last year's vice-president, H. P. Wasserbohr 1910, presided.

He first called upon Secretary H. M. Davis to read the minutes of the last meeting.

The treasurer's report was then submitted. There is at present \$23.41 in the treasury. Both of these reports were accepted.

Secretary Davis then read the report of M. A. H. S. Tennis Tournament between the Tech and Harvard branches of the club.

On May 31, P. C. Nash 1911 and S. F. Kimball 1909, of Harvard, defeated H. S. Osborne 1908, and J. W. Nickerson 1909, of Tech, in doubles, 6-3, 6-0.

In singles, Nickerson defeated Kimball 6-1, 8-6. Nash defeated Osborne 10-1, 6-4. Final score--Harvard Club, 3; Tech Club, 1.

Nominations for officers were then called for. H. P. Wasserbohr 1910, and H. M. Davis 1911, were nominated for president and the latter was elected. For vice-president, H. O. Maxwell 1912, P. A. Cushman 1911, and H. P. Wasserbohr 1910, were nominated. Wasserbohr was elected. H. M. Rand 1913, and H. O. Maxwell were nominated for secretary-treasurer and Maxwell was chosen. R. B. Weiler 1908, and H. M. Rand 1913, were elected unanimously to the executive committee.

AROUND THE INSTITUTE

There was an explosion yesterday in the freshmen chemistry laboratory. Amidst a burst of flame and a loud crash, the apparatus of one of Tech's co-eds disappeared. No very serious damage resulted but there was a noticeable confusion on the part of the experimenter.

Are there any more men who want the undergraduate book, "Concerning the Institute"? They can obtain them by leaving word for The Tech.

The importance of this book to the student cannot be over emphasized. It is needed by all Institute men and is a very handy work to have. Get one.

Proofs of the pictures taken Field Day may be seen in Room 37 R. Mr. I. W. Litchfield has charge of these and he will be very glad to show them to all interested.

EXCHANGES.

The University of Kansas athletic association has sold 1500 season tickets this fall, representing 85 per cent. of the total enrollment.

The prize for the Minnesota song contest has been increased to \$100.

The Williams Baseball Association shows a balance of \$844.64 in its annual report.

"Football is a game for little boys, not a pastime for powerful men. I think my views on the subject of abolishing football at Harvard were very plainly stated in my annual reports while president of the University."--Dr. Charles W. Eliot.

BRITISHERS HONOR KING'S BIRTHDAY

Hold Dinner And Talk In Union --Men Relate Incidents Of Empire

Fifteen enthusiastic Britishers observed the King's birthday last night by a dinner in the Union. After a first-class English roast beef dinner, a short business meeting was held, and several new men elected to membership.

Each man then gave a short account of his home country and his reasons for coming to Tech. Especially interesting were the remarks of L. M. Sandstein 1912, of New Zealand, who told about Maori customs and characteristics, and also told about the King of Tonga, the only remaining native monarch in the Pacific. Tonga is the land of comic opera, and life there is a skit on European civilization.

Those present were S. M. Smith, graduate student, St. John, N. B.; C. A. Robb, graduate student, Amherst, N. S.; H. Shaffer 1909, South Africa; N. M. Cloak 1911, Newcastle-on-Lyne, England; J. G. Rudolph 1913, and A. N. Moash 1913, Lunenburg, N. S.; H. R. S. Fox 1912, Jamaica, W. I.; L. M. Landstein 1912, Christ Church, New Zealand; M. C. MacKenzie, Baddeck, C. B. and F. R. Faulkner 1909, Fresno, N. S., of the instructing staff; A. Frigon, graduate student, Montreal, P. Q.; A. S. Peet 1909, Callas, Peru; M. H. Mellish 1910, Hebron, N. S.; G. C. Conner 1910, Turo, N. S.

The officers of the society are: G. C. Conner 1910, chairman; J. D. MacKenzie 1911, vice-chairman; H. N. L. Fox 1912, sec'y-treasurer.

All other Britishers at Tech are eligible to the society, and are requested to make themselves known to any of the above.

AERO CLUB PROPOSED

Meeting Will Be Called Before Entertainment Friday

Technology is planning to maintain its lead in scientific activities. An aero club is to be organized Friday, if enough active interest is shown by the student body. Before the entertainment, Friday night, plans will be discussed, ideas of the men interested will be heard, and an attempt will be made to ascertain how many are interested.

This project is very appropriate, being, as it is, so closely connected with the subject of Prof. Roach's talk, "The Conquest of the Air." A good conception of the subject will be obtained from the pictures which are to be shown. It is hoped that the students at large will enter into this idea of an aero club with great enthusiasm.

CALENDAR.

Wednesday, November 10.

1:00 P. M.--1910 Class Meeting in H. H.

1:10 P. M.--Business Meeting Biological Society, 28 Pierce.

8:15 P. M.--Catholic Club Meeting in Union.

Thursday, November 11.

4:15 P. M.--Banjo Club.

Friday, November 12.

8:00 P. M.--Friday Night Entertainment, Union.

Saturday, November 13.

Interclass Meet.

(Continued on page 4.)

THE TECH.

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Wednesday Issue,

L. S. Fitzherbert 1911 Assoc. Editor
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Single Copies 1 Cent.

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BOSTON, MASS., NOV. 10, 1909.

What was the trouble Field Day? Why were the people allowed on the Field at any time, when games were in progress?

Some one was at fault.

The management of Field Day fell to the track manager and his assistants, the marshalls. Field Day was not managed as it should have been, there is no doubt of it.

A great intercollegiate meet is coming to Technology Nov. 20. Its direction is to be by nearly the same managers as those who were in charge on Field Day.

It is to be hoped that this intercollegiate meet will be held here another year, and it all depends on the conducting and arrangements this year.

Let us have good management.

It is to be hoped that a custom will not develop from the attention shown this year to members of chorus of the play chosen for Tech Night after Field Day. Such a policy of advertising the show by misplaced courtesy to chorus girls previously unknown to Tech men can bring only harm to the reputation of the Institute.

As we all know, the Union dining room has been in financial difficulties lately and has been loudly claiming the support of all Tech men. In such a position, it would seem that every effort would be made to satisfy patrons. This policy, however, does not seem to have been that of the management of the Field Day luncheon. Not only was the waiter service noticeably deficient, but also were meal tickets sold to unsuspecting victims in the corridor when the seating capacity of the room was already taxed to the utmost and men were standing awaiting their turn at the tables.

COMMUNICATION

To the Editor of The Tech:—

It so happened one upon a time at an institution of learning that only a small minority of the students were interested in those things which concerned the welfare of the Alma Mater and of the student body.

These few were full of enthusiasm and vigor; they worked hard at their studies, and neglected none of their

duties laid down in the rules of the faculty. But they did not stop here. Finding a few moments this day, a few the next, several hours another, they mingled with their fellow-students. A few of them edited and published a newspaper; some took-part in athletic sports; others gathered with their musical instruments, and played and sang together; still others wrote plays, and rehearsed and acted these plays before the public. To some of this minority, because of their superior ability, enthusiasm, and vigor, it was given to manage these activities, to struggle with the executive problems that arose, to lay down laws and rules in consultation with their fellow workers in the minority, that the maximum of efficient work and pleasure might be secured in the minimum of time.

And the many? The majority which the few were trying to reach and benefit? Did they report?

Having finished their recitations and attended their lectures, they hurried to their rooms, refusing all invitations to join the few, usually on the excuse of too much home study. Upon the few becoming insistent, they showed problems by the score, whole chapters of applied and theoret, which they must solve and study by the morrow. What could the few do against such evidence?

So the many hurried away. They gathered in their rooms, three and four or more together, bringing in their implements of study, which included tobacco and other refreshments. They settled themselves and began to talk. About their studies? No. About the few.

They criticised the few, they said the dining room was rotten, they said the athletic teams were rotten, they said the newspaper was rotten, they said the proofs were rotten. They argued and criticised, and called everything connected with the Alma Mater rotten. They knocked this, they knocked that. They told each other how things should be managed, how they would do things if they would condescend to mix with the common crowd and bring to the task their abilities (known to the on-lookers as the worst form of self-centered conceit.)

But did they ever offer to manage any thing? Did they ever tell the managers any of their wonderful schemes for running affairs? Did they ever get out and put a shoulder to the wheel? Did they ever cheer the few when the latter struggled on day by day to add to the glory of the Alma Mater? Never. They said, "What's the use? Alma Mater can't win."

They preferred to tell one another how rotten was everything connected with Alma Mater. They preferred to knock everything except their own glorious ability to run things right, if they would. (The on-lookers said "could.")

But how the many would cheer when Alma Mater's glory was shoved up a notch by the efforts of the few, and pat one another on the back, and tell what wonderful fellows they were.

And what was the result of all this? The few struggled on triumphantly, day by day, adding to the renown of their Alma Mater, growing broader and broader in their outlook upon life, learning to know their fellow-men, and to organize and control the energies of their fellow-workers. They met and solved problems of organization and execution on larger and larger scales. They grasped the fundamentals of each new problem with greater and greater ease, and sent their energies to the task of solution more and more along the straightest and shortest line.

When they left their Alma Mater and faced the problems of the world, they worked with the same enthusiasm and

(Continued on page 3.)

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COMMUNICATION

(Continued from page 2.)

vigor, gave each task the best attention they possibly could, and throughout more efficient ways of doing the work. Soon their employers recognized their worth and gave them places calling for executive ability. With their training, they handled these new jobs successfully in broadminded, capable ways. They were promoted again and again. There was no problem they could not meet and solve. They were big men in every way and became leaders in their fields of work, always looking to success as a job done in the most efficient and the most thorough manner.

The many knocked and knocked, criticized and talked. To the on-lookers they seemed to grow narrower and narrower as time sped by. They did indeed grow more self-satisfied, more content with the small successes of doing only the work they were required to do. Never did they more. Leaving their Alma Mater with the same education given them that the faculty had given the few, they approached their life labors in the same narrow way. They watched the clock and, as the closing hour struck, dropped each task as it was. Each job was done only for the remuneration attached to it. No more did they put a shoulder to the wheel

now than they had in their student days to help the few. They remained the workers, doing the routine work on the big jobs which the few created and organized. They were the little cogs in the great machine. The few were the leaders that run the machine, the men who were remembered in after years for the deeds which helped to make humanity's lot on earth an easier and more pleasant one.

A joy in work for work's sake, a happiness in doing each task in the best manner, a willingness, even a pleasure, in doing a little more than the requirements, a live, enthusiastic, and vigorous interest in the world outside themselves—these were the things, the possession of which led the few on and up to the heights of true success—the lack of which kept the many grubbing along in the narrows and depths of that self-satisfied contentment best known as failure.

W. FRED DOLKR, Jr., 1908.

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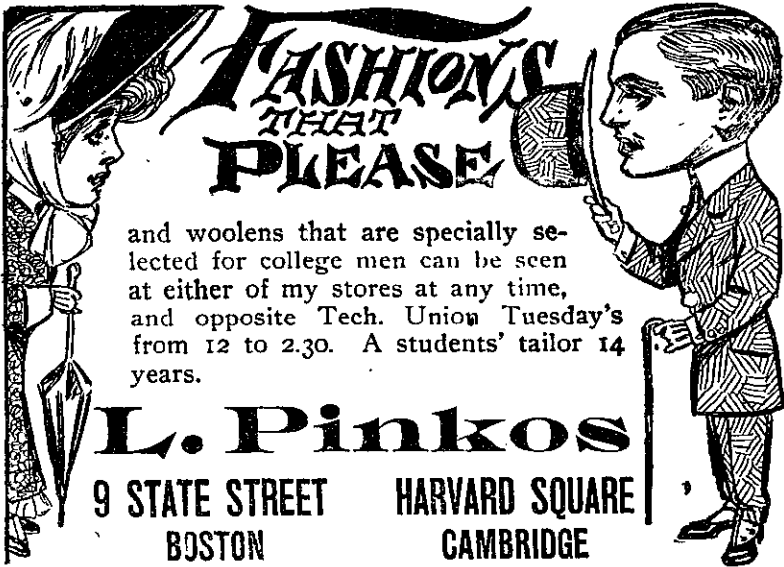
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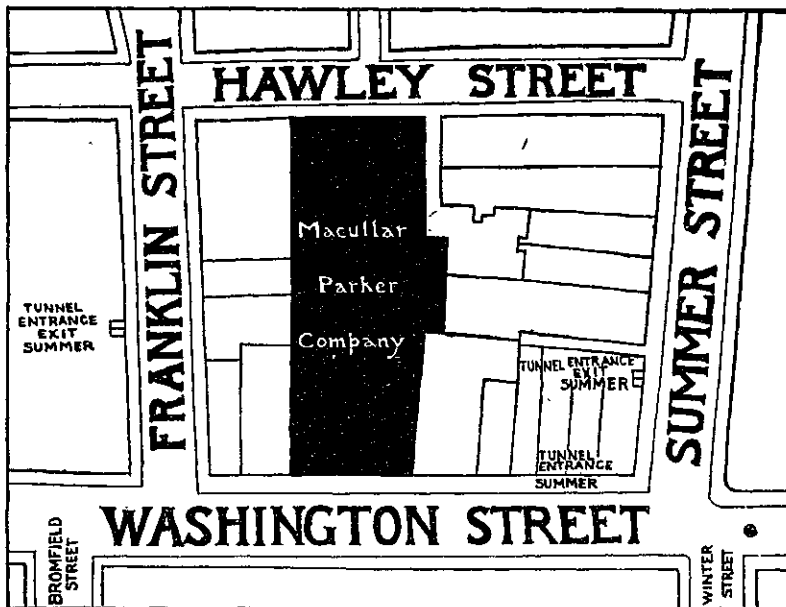
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GENERAL NOTICES.

FRENCH CONFERENCES.

Conferences in French I and French II are held as follows:
Tuesdays from 9-10 by Professor Bigelow in Room 31, Lowell.
Thursdays, from 10-11 by Professor Bigelow in Room 31, Lowell.
Fridays, from 11-12 by Mr. Blachstein in Room 22, Lowell.
Fridays, from 12-1 by Professor Bigelow in Room 31, Lowell.
Students of French I and French II are invited to attend these exercises, irrespective of the sections to which they belong.

French I.

This subject, on Thursdays, will recite from 8 to 9, instead of from 4 to 5. Otherwise as heretofore.

CANDIDATES FOR GRADUATION.

Notes in regard to status with reference to graduation have been sent to fourth year students. Any student who has not received a note should consult me if he expects to be a candidate for graduation in June, 1910.

A. L. MERRILL,
Secretary of the Faculty.

BIOLOGICAL SOCIETY.

Biological Society business meeting Wednesday, Nov. 10, at 1:10 P. M., in 28 Pierce. Important but brief—1:10 to 1:25 P. M. only. Application for membership accompanied by initiation fee of 50 cents must be submitted before the meeting to E. C. Howe VII, H. O. Jenkins, P. K. Brown XI. 36-37

C. E. SOCIETY TRIP.

To Somerville and Malden; grade crossing abolition work. SATURDAY, NOVEMBER 13. Meet at Union at 1:45 sharp. Non-members welcome. 37-40

TECHNIQUE 1911.

ARTISTS ATTENTION:—The Grind Department of Technique 1911, desires margin designs for the grind pages of this year's book. Any man who has any ideas for such a design is asked to leave his name at the Cage for the Grind Editor. Any designs submitted will count materially toward the liberal cash prizes for the best contributions to the department. 37-38-39-40

ATHLETIC ASSOCIATION.

Meeting of the A. A. today at 4:15, in the track room of the Union. Election of officers.

INSTITUTE COMMITTEE.

Special meeting of the Institute Committee, Wednesday, Nov. 10, 4:15 P. M., room A Union. Very important that all members be present.

ARCH EICHER, Sec.

1910—Class meeting Wednesday, at 1:00 P. M. in Huntington Hall. 35, 36, 37

LOST—One jacket sweater with a red "R. L." on it, and one blue jacket sweater with a white "H" on it. Please leave at the Cage for E. H. Gage. 1913. 38, 38

LOST.—A four-bladed pearl handled pocket knife. Finder leave at Cage for A. T. Cushing 1910.

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(Continued.)

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B. & M. ENGINEERS

(Continued from page 1.)

they will take the car for the Somerville avenue crossing. Prof. Breed will accompany the body. It was decided to have a committee appointed to look up a pin. J. B. Babcock 3rd 1910, said that in travelling through the Middle West he met men from similar societies in other colleges and they all wore pins. Sec. Housman suggested a fb.

The following men were elected:—
A. B. Appleton 1912, J. D. McGrath 1912, J. I. Taylor 1912, G. M. Keith 1912, E. M. Tolman 1912, Tung Pas Tong 1912, F. T. McAvoy 1912, W. H. Coburn 1911, and C. G. Richmond 1911.

Shoes for Tech Men



Russet Balmorals on
Flat Toe Last, with
close edges; a firmly
Established Style
among the dressy set

Style 925
In Single Sole \$6.00

Style 942
In Double Sole \$6.00

Coes & Stodder : 14 School St.

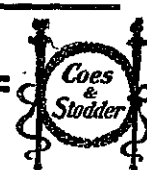
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